



(Following Paper ID and Roll No. to be filled in your Answer Books)

Paper ID : 199219

Roll No.

B.TECH.

Theory Examination (Semester-II) 2015-16

MANUFACTURING PRACTICES

Time : 3 Hours

Max. Marks : 100

Section-A

Q1. Attempt all parts. All parts carry equal marks. Write answer of each part in short. (2×10=20)

- What are the different Carpentry joints?
- Make a list of different Carpentry processes?
- Define Fitting. What are different fitting processes?
- Mention different defects found in Forging operations.
- What are the desirable properties of Molding sand?





- (f) Define straight polarity and reverse polarity.
- (g) What do you mean by Machine Tool? Give Examples.
- (h) Explain the term Cutting speed and feed in Metal cutting.
- (i) Name metals commonly used in Sheet Metal Work.
- (j) Make a list of different pattern materials.

Section-B

Q2. Attempt any five questions from this section.

(10×5=50)

- (a) Explain different types of wood with their properties. Also Draw and explain any three tools used in Carpentry shop.
- (b) Draw and explain different tools used in Fitting shop.
- (c) Explain different types of furnaces used in Forging operations.
- (d) What is the principle used in Resistance welding? Differentiate between Spot Welding and Seam welding.



- (e) Explain different sheet metal operations with neat sketches.
- (f) Explain principle of operation for Shaper and Milling machine.
- (g) Explain with neat sketch, principal parts of Lathe Machine. Explain different operations performed on lathe machine.
- (h) Explain various positive and negative allowances provide to the patterns with neat sketches.

Section-C

Note: Attempt any two questions from this section.

(15×2=30)

Q3. Write note on following:

- i) Metallurgy of Weld
- ii) Types of cutting tools in Machining operations
- iii) Moulding Processes



Q4. What is Seasoning of Wood? What are the methods used for Seasoning of wood? Explain in brief.

Q5. Define the term Forging. Explain different Forging operations with neat sketches.

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